

TRILITE® SM210

Ready to use mixed bed resin

Rev.3 Jan 2023

TRILITE® SM210 is a ready-to-use and highly regenerated mixed bed resin for high purity water application through the continuous ion exchange of cation and anion exchange resins.

TRILITE® SM210 is mixed bed resins of each component of strong acid cation exchange resin and strong base anion exchange resin in equivalent of cation and anion exchange capacity.

Physical and Chemical Properties

	SAC	SBA
Matrix	Styrene-DVB, Gel	
Functional group	Sulfonic acid	Type 1(Trimethylammonium)
Ionic form	H ⁺	OH ⁻
Particle Size(μm)	300~1,200	
Uniformity coefficient	1.6 ↓	
Ionic Conversion(%)	H ⁺	99.0 Min
	OH ⁻	95.0 Min
	Cl ⁻	1.0 Max
Mixed Ratio	1:1 (by equivalents) Cation : Anion	
Inlet condition	Potable water, Conductivity 150μs/cm, SV36	
Outlet condition	Guaranteed 10.0 MΩ·cm ↑ (in 10min.) Actual 15.0 MΩ·cm ↑ (in 10min.)	

Recommended Operating Conditions

Operating Temp(°C)	60	pH Range	0~14
Bed Depth(mm)	600	Service Flow Rate(m/h)	5~60

Applications

TRILITE® SM210 is widely used to get high purity water such applications R/O polisher, humidifier, and other applications requiring demineralized water.

All information contained in brochure is not absolute rather than relative one, created under the controlled environment by Samyang Corporation. Therefore, Samyang Corporation has no legal responsibility with respect to any and all information provided in brochure.

Samyang's TRILITE Ion exchange resins are produced based on the ISO 9001, ISO 14001 certification.

Samyang Corporation, 31 Jong-ro 33-gil, Jongno-gu, Seoul, Korea Tel: +82-2-740-7732~7, Fax: +82-2-740-7709



<http://samyangtrilite.com>